V.2	•	
ソ	7	determining a maximum frequency which provides power not greater
	8	than the allowable power consumption level,
	9	determining a minimum voltage which allows operation at the maximum
	9	
	10	frequency determined, and
	11	dynamically changing the operating condition of the processor by
	12	changing one of the frequencies generated by the clock generator and the
	13	voltage to the maximum frequency and minimum voltage determined.
ベー	ME)	Slaim 2 (amended). A computing device comprising:
`	$\frac{1}{2}$	a power supply furnishing selectable output voltages,
	3	a clock frequency source,
	4	a central processor including:
	5	a processing unit for providing values indicative of operating
	6	conditions of the central processor, and
	7.	a clock frequency generator receiving a clock frequency from the
	8	clock frequency source and providing a one of a plurality of
	9	selectable butput clock frequencies to the processing unit; and
	10	means for detecting the values indicative of operating conditions of the
	11	central processor and causing the power supply and clock frequency
	12	generator to furnish an output clock frequency and voltage level for the
	13	central processor and to generate concurrently frequencies which are
	14	selected for optimum operation of a plurality of functional units of the
	15	computing/device.

<i>X</i> .	Claim o (twice amerided).
	by a computer comprising the steps of
3	utilizing control software to measure the operating characteristics of a
4	central processor of the computer,
5	determining when the operating characteristics of the central processor
6	are significantly different than required by the operations being
7	conducted, and
8	changing the operating characteristics of the central processor to a level
9	commensurate with the operations being conducted in which:
10	the step of determining when the operating characteristics of the central
11	processor are significantly different than required by the operations being
12	conducted comprising utilizing the control software to determine
13	desirable voltages and frequencies for the operation of the central
14	processor based on the measured operating characteristics, and
15	the step of changing the operating characteristics of the central
16	processor to a level commensurate with the operations being conducted
17	comprises providing signals:
18	for controlling voltages furnished by a programmable power supply
19	to the central processor,
20	for controlling frequencies furnished by the central processor to
21	the central processor, and
22	providing signals for controlling frequencies furnished by the
23	central processor to other functional units of the computer.

9/1	Claim 8 (amended). A computer comprising:
	a power supply furnishing selectable output voltages,
3	a clock frequency source,
4	a bus,
5	system memory,
6	a central processor including:
7	a processing unit for providing values indicative of operating
8	conditions of the central processor, and
9	a clock frequency generator receiving a clock frequency from the
10	clock frequency source and providing a plurality of selectable
11	output clock frequencies to the processing unit; and
12	means for detecting the values indicative of operating conditions of the
13	central processor and causing the power supply and clock frequency
14	generator to furnish an output clock frequency and voltage level for the
15	central processor and to generate concurrently frequencies which are
16	selected for optimum operation of a plurality of functional units of the
17	computing device including system memory.

Claim 10 (amended). A computing device as claimed in Claim 8 in which the means for detecting the values indicative of operating conditions of the central processor causes the clock frequency generator to generate frequencies which are selected for optimum operation of system memory.

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64	1	Claim 11 (amended). A computing device as claimed in Claim 8 in
12,	2	which the means for detecting the values indicative of operating
	3	conditions of the central processor causes the clock frequency generator
	4	to generate frequencies which are selected for optimum operation of the
•	5	hue